

SCORE Search Results Details for Application 10519539 and Search Result 20090128_195529_us-10-519-539a-127.rapbn.

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This page gives you Search Results detail for the Application 10519539 and Search Result 20090128_195529_us-10-519-539a-127.rapbn.

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OM protein - protein search, using sw model

Run on: January 29, 2009, 05:34:58 ; Search time 4 Seconds
(without alignments)
40.340 Million cell updates/sec

Title: US-10-519-539A-127
Perfect score: 159
Sequence: 1 GSR CIRRRISILFFVFRVLSRRVLSRAEIIYES 33

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 32394 seqs, 4889682 residues

Total number of hits satisfying chosen parameters: 32394

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_New:*
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
3: /ABSS/Data/CRF/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
4: /ABSS/Data/CRF/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
5: /ABSS/Data/CRF/ptodata/2/pubpaa/US12_NEW_PUB.pep:*

Fred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%
Result Query

No.	Score	Match	Length	DB	ID	Description
1	44	27.7	111	4	US-11-524-363-3344	Sequence 3344, Ap
2	44	27.7	111	4	US-11-801-901A-3344	Sequence 3344, Ap
3	41.5	26.1	575	5	US-12-054-231-13	Sequence 13, Appl
4	41	25.8	251	4	US-11-983-137-4	Sequence 4, Appli
5	41	25.8	360	3	US-10-532-547-39	Sequence 39, Appl
6	41	25.8	539	4	US-11-929-668-570	Sequence 570, App
7	41	25.8	614	5	US-12-126-772-5	Sequence 5, Appli
8	40	25.2	271	4	US-11-876-928-94	Sequence 94, Appl
9	40	25.2	324	4	US-11-524-363-3240	Sequence 3240, Ap
10	40	25.2	324	4	US-11-801-901A-3240	Sequence 3240, Ap
11	40	25.2	370	4	US-11-524-363-4976	Sequence 4976, Ap
12	40	25.2	370	4	US-11-801-901A-4976	Sequence 4976, Ap
13	39.5	24.8	306	4	US-11-524-363-4249	Sequence 4249, Ap
14	39.5	24.8	306	4	US-11-801-901A-4249	Sequence 4249, Ap
15	39	24.5	133	4	US-11-524-363-5002	Sequence 5002, Ap
16	39	24.5	133	4	US-11-801-901A-5002	Sequence 5002, Ap
17	38.5	24.2	264	4	US-11-524-363-2962	Sequence 2962, Ap
18	38.5	24.2	264	4	US-11-801-901A-2962	Sequence 2962, Ap
19	38	23.9	673	4	US-11-524-363-2860	Sequence 2860, Ap
20	38	23.9	673	4	US-11-801-901A-2860	Sequence 2860, Ap
21	37.5	23.6	77	4	US-11-524-363-4705	Sequence 4705, Ap
22	37.5	23.6	77	4	US-11-801-901A-4705	Sequence 4705, Ap
23	37	23.3	62	4	US-11-524-363-4247	Sequence 4247, Ap
24	37	23.3	62	4	US-11-801-901A-4247	Sequence 4247, Ap
25	37	23.3	563	4	US-11-524-363-3028	Sequence 3028, Ap
26	37	23.3	563	4	US-11-801-901A-3028	Sequence 3028, Ap
27	37	23.3	605	4	US-11-929-668-574	Sequence 574, App
28	36	22.6	214	4	US-11-524-363-4635	Sequence 4635, Ap
29	36	22.6	214	4	US-11-801-901A-4635	Sequence 4635, Ap
30	36	22.6	372	3	US-10-568-488-24	Sequence 24, Appl
31	36	22.6	1026	4	US-11-931-888-23	Sequence 23, Appl
32	36	22.6	1067	4	US-11-940-248-52	Sequence 52, Appl
33	35.5	22.3	314	4	US-11-524-363-4795	Sequence 4795, Ap
34	35.5	22.3	314	4	US-11-801-901A-4795	Sequence 4795, Ap
35	35.5	22.3	541	4	US-11-712-654-4	Sequence 4, Appli
36	35.5	22.3	541	4	US-11-768-156-2	Sequence 2, Appli
37	35	22.0	31	3	US-10-573-161-34	Sequence 34, Appl
38	35	22.0	31	3	US-10-573-161-39	Sequence 39, Appl
39	35	22.0	59	4	US-11-524-363-4616	Sequence 4616, Ap
40	35	22.0	59	4	US-11-801-901A-4616	Sequence 4616, Ap
41	35	22.0	96	4	US-11-524-363-3870	Sequence 3870, Ap
42	35	22.0	96	4	US-11-801-901A-3870	Sequence 3870, Ap
43	35	22.0	173	5	US-12-157-329-36	Sequence 36, Appl
44	35	22.0	214	4	US-11-524-363-3186	Sequence 3186, Ap
45	35	22.0	214	4	US-11-801-901A-3186	Sequence 3186, Ap

ALIGNMENTS

RESULT 1

US-11-524-363-3344

; Sequence 3344, Application US/11524363

```

; Publication No. US20080194004A1
; GENERAL INFORMATION:
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-032
; CURRENT APPLICATION NUMBER: US/11/524,363
; CURRENT FILING DATE: 2006-09-20
; PRIOR APPLICATION NUMBER: US 11/027,892
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5324
; SEQ ID NO 3344
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-524-363-3344

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```

Query Match          27.7%; Score 44; DB 4; Length 111;
Best Local Similarity 33.3%; Pred. No. 1.2;
Matches 11; Conservative 8; Mismatches 10; Indels 4; Gaps 2;

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```

Qy      4 CIRRRISIL--FFVFRVLRSR--RVLSAEIYE 32
        | : | : | | ||::: | || :||
Db      58 CEKRPVGVILRFLVFKLMKKRPNRVFSLIFVYE 90

```

RESULT 2

US-11-801-901A-3344

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; Sequence 3344, Application US/11801901A
; Publication No. US20080194505A1
; GENERAL INFORMATION
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-060
; CURRENT APPLICATION NUMBER: US/11/801,901A
; CURRENT FILING DATE: 2008-04-17

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; PRIOR APPLICATION NUMBER: US 11/524,355
; PRIOR FILING DATE: 2006-09-20
; PRIOR APPLICATION NUMBER: US 11/027,892
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5326
; SEQ ID NO 3344
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-801-901A-3344

```

```

Query Match          27.7%; Score 44; DB 4; Length 111;
Best Local Similarity 33.3%; Pred. No. 1.2;
Matches 11; Conservative 8; Mismatches 10; Indels 4; Gaps 2;

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```

Qy      4 CIRRRISIL--FFVFRVLRSS--RVLRSAEIVE 32
      | : | : | | ||::: | || :||
Db      58 CEKRPVGVLRIFLVFKLMKKRPNRVFSLIFVYE 90

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RESULT 3

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US-12-054-231-13
; Sequence 13, Application US/12054231
; Publication No. US20080241964A1
; GENERAL INFORMATION
; APPLICANT: KAIEDA, Masaru
; APPLICANT: IKEDA, Takashi
; APPLICANT: NAKAHAMA, Kazumichi
; TITLE OF INVENTION: Material for Improving Sensitivity of Magnetic Sensor and Method
Thereof
; FILE REFERENCE: 10060240US01
; CURRENT APPLICATION NUMBER: US/12/054,231
; CURRENT FILING DATE: 2008-03-24
; PRIOR APPLICATION NUMBER: JP P2007-081942
; PRIOR FILING DATE: 2007-03-27
; PRIOR APPLICATION NUMBER: JP P2008-057728
; PRIOR FILING DATE: 2008-03-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.4
; SEQ ID NO 13
; LENGTH: 575
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: HyHEL10 scFv fragment labeled with SiO2 affinity peptide

```

US-12-054-231-13

Query Match 26.1%; Score 41.5; DB 5; Length 575;
 Best Local Similarity 52.2%; Pred. No. 21;
 Matches 12; Conservative 2; Mismatches 4; Indels 5; Gaps 1;

Qy 1 GSRCIRRRISILFFVFRVLRSSR 23
 ||| |||:| | :|| ||
 Db 253 GSRGRRRLSC-----RLLRGRR 270

RESULT 4

US-11-983-137-4

; Sequence 4, Application US/11983137
 ; Publication No. US20080241946A1
 ; GENERAL INFORMATION
 ; APPLICANT: ECONS, Michael
 ; APPLICANT: WHITE, Kenneth
 ; APPLICANT: STROM, Tim
 ; APPLICANT: MEITINGER, Thomas
 ; TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTOR (FGF23) AND METHODS FOR USE
 ; FILE REFERENCE: 053884-5001-DI1
 ; CURRENT APPLICATION NUMBER: US/11/983,137
 ; CURRENT FILING DATE: 2007-11-07
 ; PRIOR APPLICATION NUMBER: 10379334
 ; PRIOR FILING DATE: 2003-03-04
 ; PRIOR APPLICATION NUMBER: 10/379,334
 ; PRIOR FILING DATE: 2003-03-04
 ; PRIOR APPLICATION NUMBER: 09/901,938
 ; PRIOR FILING DATE: 2000-07-10
 ; PRIOR APPLICATION NUMBER: 60/219,137
 ; PRIOR FILING DATE: 2000-07-19
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 251
 ; TYPE: PRT
 ; ORGANISM: Mus sp.
 US-11-983-137-4

Query Match 25.8%; Score 41; DB 4; Length 251;
 Best Local Similarity 39.3%; Pred. No. 9.5;
 Matches 11; Conservative 4; Mismatches 13; Indels 0; Gaps 0;

Qy 2 SRCIRRRISILFFVFRVLRSSRVLRSAE 29
 | : : || : | : || || ||||
 Db 155 SQFLARRNEVPLLFHYTVPRRHRTRSAE 182

RESULT 5

US-10-532-547-39

; Sequence 39, Application US/10532547
 ; Publication No. US20080213247A1
 ; GENERAL INFORMATION
 ; APPLICANT: EXELIXIS, INC.

```

; TITLE OF INVENTION: MBMs AS MODIFIERS OF BRANCHING MORPHOGENESIS AND METHODS OF USE
; FILE REFERENCE: EX03-075C-US
; CURRENT APPLICATION NUMBER: US/10/532,547
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/420,554
; PRIOR FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: US 60/436,941
; PRIOR FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 39
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-532-547-39

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```

Query Match      25.8%; Score 41; DB 3; Length 360;
Best Local Similarity 30.0%; Pred. No. 14;
Matches      6; Conservative      8; Mismatches      6; Indels      0; Gaps      0;

```

```

Qy      11 ILFFVFRVLSRRVLSRAEI 30
      | :|:::| | : : | | :
Db      126 ICYFLYQILRGLKYIHSANV 145

```

RESULT 6

US-11-929-668-570

```

; Sequence 570, Application US/11929668
; Publication No. US20080213264A1
; GENERAL INFORMATION
; APPLICANT: Bhatia, Ajay
; APPLICANT:Skeiky, Yasir A.W.
; APPLICANT:Probst, Peter
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TREATMENT AND
; TITLE OF INVENTION:DIAGNOSIS OF CHLAMYDIAL INFECTION
; FILE REFERENCE: 210121.469C16
; CURRENT APPLICATION NUMBER: US/11/929,668
; CURRENT FILING DATE: 2007-10-30
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; PRIOR APPLICATION NUMBER: 10/872,155
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 09/620,412
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 09/598,419
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/556,877
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 09/454,684
; PRIOR FILING DATE: 1999-12-03
; PRIOR APPLICATION NUMBER: 09/426,571
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 09/410,568
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 09/288,594

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; PRIOR FILING DATE: 1999-04-08
; PRIOR APPLICATION NUMBER: 09/208,277
; PRIOR FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 599
; SOFTWARE: FastSEQ for Windows Version 3.0/4.0
; SEQ ID NO 570
; LENGTH: 539
; TYPE: PRT
; ORGANISM: C. Trachomatis D serovar
US-11-929-668-570
```

```
Query Match          25.8%; Score 41; DB 4; Length 539;
Best Local Similarity 56.2%; Pred. No. 23;
Matches      9; Conservative      2; Mismatches      5; Indels      0; Gaps      0;
```

```
Qy      18 VLRSRRVLRS AEIYES 33
          :|| || ||: |||
Db      254 ILRGGRVFRSSS IMES 269
```

RESULT 7

```
US-12-126-772-5
; Sequence 5, Application US/12126772
; Publication No. US20080312307A1
; GENERAL INFORMATION
; APPLICANT: Takeda Pharmaceutical Company Limited
; TITLE OF INVENTION: MAPK/ERK KINASE INHIBITORS
; FILE REFERENCE: MEK-5007-U
; CURRENT APPLICATION NUMBER: US/12/126,772
; CURRENT FILING DATE: 2008-05-23
; PRIOR APPLICATION NUMBER: 60/940,170
; PRIOR FILING DATE: 2007-05-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5
; LENGTH: 614
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Residues 1-379 of human ERK1 with an N-terminal GST tag.
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(235)
; OTHER INFORMATION: N-terminal GST tag
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (236)..(614)
; OTHER INFORMATION: Residues 1-379 of human ERK1
US-12-126-772-5
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Query Match          25.8%; Score 41; DB 5; Length 614;
Best Local Similarity 30.0%; Pred. No. 27;
Matches      6; Conservative      8; Mismatches      6; Indels      0; Gaps      0;
```

```
Qy      11 ILFFVFRVLRSSRRVLRS AEI 30
```

| :|:::| | : : | | :

Db 378 ICYFLYQILRGLKYIHSANV 397

RESULT 8

US-11-876-928-94

; Sequence 94, Application US/11876928

; Publication No. US20080213285A1

; GENERAL INFORMATION:

; APPLICANT: SUBTIL-SANDS, AGATHE

; APPLICANT: DAUTRY-VARSAT, ALICE

; TITLE OF INVENTION: SECRETED CHLAMYDIA POLYPEPTIDES, POLYNUCLEOTIDES CODING THEREFOR,

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES THEREOF

; FILE REFERENCE: 249179USO

; CURRENT APPLICATION NUMBER: US/11/876,928

; CURRENT FILING DATE: 2007-10-23

; PRIOR APPLICATION NUMBER: US/10/784,880

; PRIOR FILING DATE: 2004-02-24

; PRIOR APPLICATION NUMBER: US 60/448,879

; PRIOR FILING DATE: 2003-02-24

; NUMBER OF SEQ ID NOS: 378

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 94

; LENGTH: 271

; TYPE: PRT

; ORGANISM: Chlamydia trachomatis

US-11-876-928-94

Query Match 25.2%; Score 40; DB 4; Length 271;

Best Local Similarity 38.9%; Pred. No. 15;

Matches 7; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 12 LFFVFRVLRSRRVLRSAE 29

:| | | | :| : | | :

Db 197 MFFFFRLFRITQILFRKAK 214

RESULT 9

US-11-524-363-3240

; Sequence 3240, Application US/11524363

; Publication No. US20080194004A1

; GENERAL INFORMATION:

; APPLICANT: Doucette-Stamm, Lynn

; APPLICANT: Bush, David

; APPLICANT: Zeng, Qiandong

; APPLICANT: Opperman, Timothy

; APPLICANT: Houseweart, Chad Eric

; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics

; FILE REFERENCE: 3687.1000-032

; CURRENT APPLICATION NUMBER: US/11/524,363

; CURRENT FILING DATE: 2006-09-20

; PRIOR APPLICATION NUMBER: US 11/027,892

; PRIOR FILING DATE: 2004-12-30

; PRIOR APPLICATION NUMBER: US 10/640,833


```
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5324
; SEQ ID NO 3240
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-524-363-3240
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Query Match          25.2%; Score 40; DB 4; Length 324;
Best Local Similarity 34.8%; Pred. No. 18;
Matches      8; Conservative      6; Mismatches      9; Indels      0; Gaps      0;
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```
Qy      9 ISILFFVFRVLRSSRVLSAEIY 31
        :|:|:|:|:|:|:|:|:|:|
Db      53 VTILFTWDILVETQVYRQELLY 75
```

RESULT 10

US-11-801-901A-3240

```
; Sequence 3240, Application US/11801901A
; Publication No. US20080194505A1
; GENERAL INFORMATION
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-060
; CURRENT APPLICATION NUMBER: US/11/801,901A
; CURRENT FILING DATE: 2008-04-17
; PRIOR APPLICATION NUMBER: US 11/524,355
; PRIOR FILING DATE: 2006-09-20
; PRIOR APPLICATION NUMBER: US 11/027,892
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5326
```

; SEQ ID NO 3240
 ; LENGTH: 324
 ; TYPE: PRT
 ; ORGANISM: Streptococcus pneumoniae
 US-11-801-901A-3240

Query Match 25.2%; Score 40; DB 4; Length 324;
 Best Local Similarity 34.8%; Pred. No. 18;
 Matches 8; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 9 ISILFFVFRVLRSSRVLSAEIY 31
 :|:|:|:| : :| :| :| :|
 Db 53 VTILFFTWDILVETQVYRQELLY 75

RESULT 11

US-11-524-363-4976

; Sequence 4976, Application US/11524363
 ; Publication No. US20080194004A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Doucette-Stamm, Lynn
 ; APPLICANT: Bush, David
 ; APPLICANT: Zeng, Qiandong
 ; APPLICANT: Opperman, Timothy
 ; APPLICANT: Houseweart, Chad Eric
 ; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
 ; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
 ; FILE REFERENCE: 3687.1000-032
 ; CURRENT APPLICATION NUMBER: US/11/524,363
 ; CURRENT FILING DATE: 2006-09-20
 ; PRIOR APPLICATION NUMBER: US 11/027,892
 ; PRIOR FILING DATE: 2004-12-30
 ; PRIOR APPLICATION NUMBER: US 10/640,833
 ; PRIOR FILING DATE: 2003-08-14
 ; PRIOR APPLICATION NUMBER: US 09/583,110
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/107,433
 ; PRIOR FILING DATE: 1998-06-30
 ; PRIOR APPLICATION NUMBER: US 60/085,131
 ; PRIOR FILING DATE: 1998-05-12
 ; PRIOR APPLICATION NUMBER: US 60/051,553
 ; PRIOR FILING DATE: 1997-07-02
 ; NUMBER OF SEQ ID NOS: 5324
 ; SEQ ID NO 4976
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Streptococcus pneumoniae
 US-11-524-363-4976

Query Match 25.2%; Score 40; DB 4; Length 370;
 Best Local Similarity 50.0%; Pred. No. 21;
 Matches 9; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 13 FFVFRVLRSSRVLSAEI 30
 |||| | :| :| :|

Db 29 FFVFNVNVTREVVRIQEM 46

RESULT 12

US-11-801-901A-4976

; Sequence 4976, Application US/11801901A
 ; Publication No. US20080194505A1
 ; GENERAL INFORMATION
 ; APPLICANT: Doucette-Stamm, Lynn
 ; APPLICANT: Bush, David
 ; APPLICANT: Zeng, Qiangdong
 ; APPLICANT: Opperman, Timothy
 ; APPLICANT: Houseweart, Chad Eric
 ; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
 ; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
 ; FILE REFERENCE: 3687.1000-060
 ; CURRENT APPLICATION NUMBER: US/11/801,901A
 ; CURRENT FILING DATE: 2008-04-17
 ; PRIOR APPLICATION NUMBER: US 11/524,355
 ; PRIOR FILING DATE: 2006-09-20
 ; PRIOR APPLICATION NUMBER: US 11/027,892
 ; PRIOR FILING DATE: 2004-12-30
 ; PRIOR APPLICATION NUMBER: US 10/640,833
 ; PRIOR FILING DATE: 2003-08-14
 ; PRIOR APPLICATION NUMBER: US 09/583,110
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/107,433
 ; PRIOR FILING DATE: 1998-06-30
 ; PRIOR APPLICATION NUMBER: US 60/085,131
 ; PRIOR FILING DATE: 1998-05-12
 ; PRIOR APPLICATION NUMBER: US 60/051,553
 ; PRIOR FILING DATE: 1997-07-02
 ; NUMBER OF SEQ ID NOS: 5326
 ; SEQ ID NO 4976
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Streptococcus pneumoniae
 US-11-801-901A-4976

Query Match 25.2%; Score 40; DB 4; Length 370;
 Best Local Similarity 50.0%; Pred. No. 21;
 Matches 9; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 13 FFVFRVLRSSRRVLRSAEI 30

|||| | :| |:| |:

Db 29 FFVFNVNVTREVVRIQEM 46

RESULT 13

US-11-524-363-4249

; Sequence 4249, Application US/11524363
 ; Publication No. US20080194004A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Doucette-Stamm, Lynn
 ; APPLICANT: Bush, David

```

; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-032
; CURRENT APPLICATION NUMBER: US/11/524,363
; CURRENT FILING DATE: 2006-09-20
; PRIOR APPLICATION NUMBER: US 11/027,892
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5324
; SEQ ID NO 4249
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-524-363-4249

```

```

Query Match          24.8%; Score 39.5; DB 4; Length 306;
Best Local Similarity 35.7%; Pred. No. 20;
Matches 10; Conservative 6; Mismatches 9; Indels 3; Gaps 1;

```

```

Qy      6 RRRI---SILFFVFRVLRSSRRVLRSAEI 30
        ||||  :|| ||  ::|  | :
Db      96 RRRILYCHLVFFFLRVQDTKRIFLQATL 123

```

RESULT 14

US-11-801-901A-4249

```

; Sequence 4249, Application US/11801901A
; Publication No. US20080194505A1
; GENERAL INFORMATION
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-060
; CURRENT APPLICATION NUMBER: US/11/801,901A
; CURRENT FILING DATE: 2008-04-17
; PRIOR APPLICATION NUMBER: US 11/524,355
; PRIOR FILING DATE: 2006-09-20
; PRIOR APPLICATION NUMBER: US 11/027,892
; PRIOR FILING DATE: 2004-12-30

```

```

; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5326
; SEQ ID NO 4249
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-801-901A-4249

```

```

Query Match          24.8%; Score 39.5; DB 4; Length 306;
Best Local Similarity 35.7%; Pred. No. 20;
Matches    10; Conservative    6; Mismatches    9; Indels    3; Gaps    1;

```

```

Qy      6 RRRI---SILFFVFRVLRSSRVLRSAEI 30
        ||||  ::|| ||  ::|:  | :
Db      96 RRRILYCHLVFFFLRVQDTRIFLQATL 123

```

RESULT 15

US-11-524-363-5002

```

; Sequence 5002, Application US/11524363
; Publication No. US20080194004A1
; GENERAL INFORMATION:
; APPLICANT: Doucette-Stamm, Lynn
; APPLICANT: Bush, David
; APPLICANT: Zeng, Qiangdong
; APPLICANT: Opperman, Timothy
; APPLICANT: Houseweart, Chad Eric
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: 3687.1000-032
; CURRENT APPLICATION NUMBER: US/11/524,363
; CURRENT FILING DATE: 2006-09-20
; PRIOR APPLICATION NUMBER: US 11/027,892
; PRIOR FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: US 10/640,833
; PRIOR FILING DATE: 2003-08-14
; PRIOR APPLICATION NUMBER: US 09/583,110
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5324
; SEQ ID NO 5002

```

; LENGTH: 133
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-11-524-363-5002

Query Match 24.5%; Score 39; DB 4; Length 133;
Best Local Similarity 35.0%; Pred. No. 9.4;
Matches 7; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 13 FFVFRVLRSSRVLRSAEIVE 32
||:|::: : :| | :| |
Db 78 FFIFKLINNVMIILYSMKIKE 97

Search completed: January 29, 2009, 05:35:02
Job time : 4 secs

SCORE 3.0